

Intensifier Rubber – SRI

- SRI silicone compound, is a high hardness formulation, that is sold in an uncured calendered sheet form
- SRI can be co-cured in contact with typical epoxy prepreg reinforcements to fabricate stiff pressure distribution pads or intensifiers
- Excellent resistance to high temperature exposure and good release properties when placed in direct contact with epoxy resin
- Improve release properties by over coating with Aerovac NCRCI Release Coating or application of approved release agents such as Freekote #700, before autoclave vulcanisation of the composite article
- By using epoxy prepreg reinforcement (either carbon or fibreglass fabric) the elastomer can be stabilised to yield negligible shrinkage values in service
- In house manufacturing facility for customers who are reluctant to allow uncured silicone into manufacturing areas

PHYSICAL PROPERTIES

- **Control properties:** Cured for 30 minutes at 176°C
- **B** - Heat Aged 250 hours at 176°C
- **C** - Heat Aged 500 hours at 176°C
- **D** - Heat Aged 750 hours at 176°C
- **E** - Heat Aged 1000 hours at 176°C

Sample	A	B	C	D	E
Hardness (shore A)	80	80	80	81	81
Tensile Strength	1440	1440	1420	1310	1460
Elongation at break (%)	195	195	200	180	200
Modulus at 100%	900	880	890	890	900
Tear Strength (ppi)	84	80	84	81	83
Specific Gravity	1.24	1.24	1.24	1.24	1.24

Cont.

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Shrinkage after curing	Non - Reinforced	Prepreg Reinforced
Length	2.0%	0.01%
Width	1.8%	0.00%

- The physical properties shown above were obtained on 0.080" thick moulded ASTM samples
- They are typical of SRI compound, but they should not be used to set Quality Control Specification minimum values

AVAILABILITY & PACKAGING

- Thickness 1.52mm, 2.16mm, 3.18mm
- Width 1.37m

STORAGE & HANDLING

- For optimum life, uncured rubber should be kept refrigerated when not in use
- For advice on handling and the ideal curing conditions for uncured rubbers, please contact our technical department

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